

Appendix for LTE BAND 5

Product Name: Mobile Phone

Model No: VISION

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.32	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.35	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.29	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.53	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.40	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.35	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.54	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.18	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.15	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.93	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	20.97	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.23	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.99	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.26	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.98	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.21	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.17	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	20.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.17	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.12	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	20.98	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.16	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.00	PASS

Band5	1.4MHz	QPSK	20643	3RB#1	22.25	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	20.97	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.24	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.99	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.20	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.04	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.55	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.28	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.52	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.33	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.51	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.27	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.58	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.61	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.53	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.62	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.48	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.55	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.52	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.26	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.09	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.25	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.01	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.21	PASS
Band5	3MHz	16QAM	20525	1RB#14	20.97	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.21	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.21	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.20	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.23	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.15	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.16	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.15	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.12	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.14	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.17	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.14	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.10	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.17	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.14	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.17	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.22	PASS

Band5	3MHz	QPSK	20635	8RB#4	21.17	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.25	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.14	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.15	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.10	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.51	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.42	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.62	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.49	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.43	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.30	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.53	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.57	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.49	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.56	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.49	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.54	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.52	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.63	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.25	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.16	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.31	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.21	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.12	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.04	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.27	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.25	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.20	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.26	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.10	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.19	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.28	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.14	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.05	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.26	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.14	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.10	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.06	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.11	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.14	PASS

Band5	5MHz	QPSK	20625	12RB#6	21.15	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.14	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.13	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.14	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.12	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.20	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.76	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.35	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.52	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.38	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.27	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.07	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.44	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.57	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.51	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.57	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.47	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.42	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.51	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.33	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.10	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.27	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.02	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.14	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.90	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.32	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.40	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.31	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.39	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.10	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.15	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.21	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.18	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.02	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.24	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.17	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.19	PASS
Band5	10MHz	16QAM	20600	1RB#49	20.99	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.24	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.28	PASS

Band5	10MHz	QPSK	20600	25RB#12	21.19	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.27	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.19	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.19	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.20	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.23	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	8.46	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.65	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.10	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.99	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	8.72	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.10	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.75	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.86	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.28	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.57	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	8.43	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	8.46	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	8.46	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	8.46	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.10	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.97	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	8.46	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	8.46	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	8.46	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	8.43	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.64	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.36	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.75	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.94	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.07	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.77	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.45	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.52	13	PASS

Band5	10MHz	16QAM	20450	1RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.39	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	8.46	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.03	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.30	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.09	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	8.46	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.74	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.17	13	PASS

Test Graphs



